

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081324\  
 Data File : VW029895.D  
 Acq On : 13 Aug 2024 11:12  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025577

Quant Time: Aug 14 01:01:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 13 01:26:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.837     | 114   | 245646   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.629    | 117   | 226424   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556    | 152   | 112982   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.363     | 65    | 91431    | 26.218   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 104.880% |          |
| 7) Chloroethane-d5            | 2.893     | 69    | 72781    | 29.232   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 116.920% |          |
| 11) 1,1-Dichloroethene-d2     | 4.015     | 65    | 39763    | 24.978   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 99.920%  |          |
| 21) 2-Butanone-d5             | 7.075     | 46    | 38125    | 39.887   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 79.780%  |          |
| 24) Chloroform-d              | 7.648     | 84    | 181886   | 28.603   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 114.400% |          |
| 26) 1,2-Dichloroethane-d4     | 8.301     | 65    | 96152    | 26.547   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 106.200% |          |
| 32) Benzene-d6                | 8.270     | 84    | 345797   | 28.265   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 113.040% |          |
| 36) 1,2-Dichloropropane-d6    | 9.270     | 67    | 100295   | 25.674   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 102.680% |          |
| 41) Toluene-d8                | 10.319    | 98    | 319195   | 29.343   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 117.360% |          |
| 43) trans-1,3-Dichloroprop... | 10.575    | 79    | 43673    | 27.629   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 110.520% |          |
| 47) 2-Hexanone-d5             | 10.922    | 63    | 30087    | 46.709   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 93.420%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690    | 84    | 78540    | 27.077   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 108.320% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849    | 152   | 100511   | 28.651   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 114.600% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.015     | 85    | 73591    | 22.225   | ug/L       | 94       |
| 3) Chloromethane              | 2.217     | 50    | 69423    | 16.944   | ug/L       | 95       |
| 5) Vinyl chloride             | 2.369     | 62    | 102951   | 22.425   | ug/L       | 98       |
| 6) Bromomethane               | 2.790     | 94    | 65509    | 25.986   | ug/L       | 95       |
| 8) Chloroethane               | 2.936     | 64    | 64272    | 24.609   | ug/L       | 97       |
| 9) Trichlorofluoromethane     | 3.265     | 101   | 87062    | 23.741   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076     | 101   | 87018    | 23.825   | ug/L       | 97       |
| 12) 1,1-Dichloroethene        | 4.045     | 96    | 82175    | 24.487   | ug/L       | 85       |
| 13) Acetone                   | 4.119     | 43    | 51669    | 43.498   | ug/L       | 96       |
| 14) Carbon disulfide          | 4.387     | 76    | 228700   | 20.479   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.673     | 43    | 33676    | 17.021   | ug/L #     | 87       |
| 16) Methylene chloride        | 4.917     | 84    | 91624    | 17.842   | ug/L       | 86       |
| 17) trans-1,2-Dichloroethene  | 5.429     | 96    | 87221    | 24.119   | ug/L       | 88       |
| 18) Methyl tert-butyl Ether   | 5.423     | 73    | 140838   | 23.630   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 6.216     | 63    | 169204   | 22.185   | ug/L       | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173     | 96    | 98582    | 25.131   | ug/L       | 89       |
| 22) 2-Butanone                | 7.167     | 43    | 54875    | 36.054   | ug/L       | 87       |
| 23) Bromochloromethane        | 7.514     | 128   | 41632    | 24.999   | ug/L #     | 78       |
| 25) Chloroform                | 7.673     | 83    | 182302   | 25.369   | ug/L       | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 13 01:26:37 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 117772   | 22.489 | ug/L   | 96       |
| 29) Cyclohexane               | 7.953  | 56   | 130175   | 20.231 | ug/L   | 88       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 146945   | 25.628 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 130239   | 25.208 | ug/L   | 97       |
| 33) Benzene                   | 8.319  | 78   | 373886   | 24.100 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 101149   | 24.871 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 159307   | 23.508 | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 93950    | 22.098 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 128503   | 25.382 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 149608   | 24.163 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 98519    | 36.483 | ug/L # | 91       |
| 42) Toluene                   | 10.386 | 91   | 408044   | 25.767 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 123392   | 24.007 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 70495    | 24.682 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73027    | 24.705 | ug/L   | 84       |
| 48) 2-Hexanone                | 10.965 | 43   | 80201    | 39.654 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.123 | 129  | 76929    | 25.946 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 65018    | 24.603 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 248924   | 25.271 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 465077   | 26.036 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 171246   | 26.067 | ug/L   | 94       |
| 54) o-Xylene                  | 12.160 | 106  | 159293   | 26.331 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 279045   | 26.610 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 83373    | 23.783 | ug/L   | 99       |
| 59) Bromoform                 | 12.343 | 173  | 41737    | 24.550 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 459696   | 26.294 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 60240    | 21.922 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 376784   | 28.994 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 372796   | 26.824 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 195497   | 26.209 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 195938   | 25.572 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 170397   | 25.091 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 12796    | 20.509 | ug/L # | 76       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 128945   | 25.266 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 108609   | 25.260 | ug/L   | 98       |
| 71) Naphthalene               | 15.361 | 128  | 204069   | 24.875 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.550 | 180  | 99098    | 25.465 | ug/L   | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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